

— A coordinate-measuring apparatus 1, in which a stylus 2

according to the present invention is used, is shown in Fig. 1. The coordinate-measuring apparatus further comprises a touch probe 3.

The stylus 2 is formed of a stem 4, which is made of a hard metal, and a tracer element 5 having a shape of a ground ruby ball. The stem 4 has a breaking point 6 in the region of which, the stem 4 has a synthetic coating 10. The touch probe 3 includes a device which provides for displacement of the stylus 2 in all directions. The calculation of a traceable point 7 between the tracer element 5 and a tested specimen 8 is effected based on the tracing direction X and the position of the stylus 2.

In the Claims:

Amend claim 1 as follows:

1. (Amended). A stylus, comprising a stem having a breaking point; and a coating formed of one of an elastically deformable synthetic material and a plastically deformable